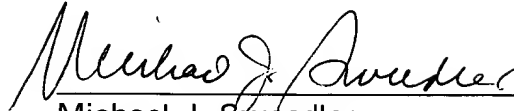


Prompt and favorable action is requested.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Michael J. Sweedler", written over a horizontal line.

Michael J. Sweedler

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**MARK-UP FOR SUPPLEMENTAL AMENDMENT  
PURSUANT TO 37 C.F.R. §1.121**

Amend the following claims:

38. (Amended) A system for forming an optical image comprising:

- (a) a complimentary screen of a two dimensional array of N (a real number) pixels, from which raster elements are to be generated;
- (b) a raster multiplying system comprising passive (non-controllable) elements to simultaneously form P raster elements from the pixels of said complimentary screen comprising one raster element according to a number of P constituent blocks of an image to be simultaneously formed on an image display plane by separating said [P] light beam corresponding to said one raster element[s] into [corresponding] light beam components to form P different raster elements, each formed by a respective light beam having a part of initial beam intensity, and transmitting light corresponding said [N pixels] P raster elements to modulation means and then to an image display plane so that one of said P raster elements is projected onto a corresponding one of said P blocks;
- (c) an array of controllable light modulators to simultaneously and independently modulate each of said P raster elements for each of said P blocks,

according to control signals applied separately for each block, each modulator having an optical output to coincide with a block of the image; and

(d) an image display plane on which an image with a resolution of M pixels is formed and displayed in a form of a matrix image comprising said constituent blocks as matrix elements, a said block comprising a two dimensional array of pixels, where the number M exceeds number N where said [blocks] system components of (a), (b), (c) and (d) are placed in the mentioned order of the light path[s generated from] of the complimentary screen.

39. (Amended) A system for image recording comprising:

(a) a complimentary screen having a two dimensional array of N (a real number) pixels, from which raster elements are to be generated;

(b) a raster multiplying system comprising passive (non-controllable) elements to simultaneously form P raster elements from the pixels of said complimentary screen [a plurality of raster elements each having a corresponding beam component and] comprising one raster element by separating a light beam corresponding to said one raster element into light beam components to form P different raster elements each formed by a respective light beam having a part of initial beam intensity, and [for] transmitting light corresponding to one of said P raster elements to one of P image blocks; and

(c) a sensitive plane on which an image to be recorded is projected and which is scanned to convert light information into electric signals for recording, said image being presented as a matrix image comprised of a plurality of said blocks as matrix elements with a block comprising a two dimensional array of pixels, and all the blocks comprising M pixels, where the number M exceeds the number N, and where said [blocks] system components (a), (b), (c) and (d) are placed in the mentioned order of the light path [generated from] of the complimentary screen [in] emitted light [path order].

40. (Amended) A method for forming an image on an image display plane by simultaneous forming of P constituent blocks of said image, so that the image is presented as a matrix image with blocks as matrix elements, a block having a two dimensional array of pixels, comprising the steps of:

(a) providing a complimentary screen having a two dimensional array of N pixels to generate an element of a raster for a block of an image;

(b) separating a raster element corresponding beam into beam components, each component having a part of initial beam intensity, to simultaneously form P different raster elements, one element for each of P blocks;

(c) transmitting the formed beam components to an array of light modulators which independently modulate each of said raster elements in accordance with control signals applied for each of said P blocks;

(d) repeating the procedure by successively generating other raster elements from said complimentary screen, to simultaneously form a modulated raster in each of P blocks and displaying said P blocks on said image display plane in the form of an image, said image having a resolution of M pixels, where M is greater than N.